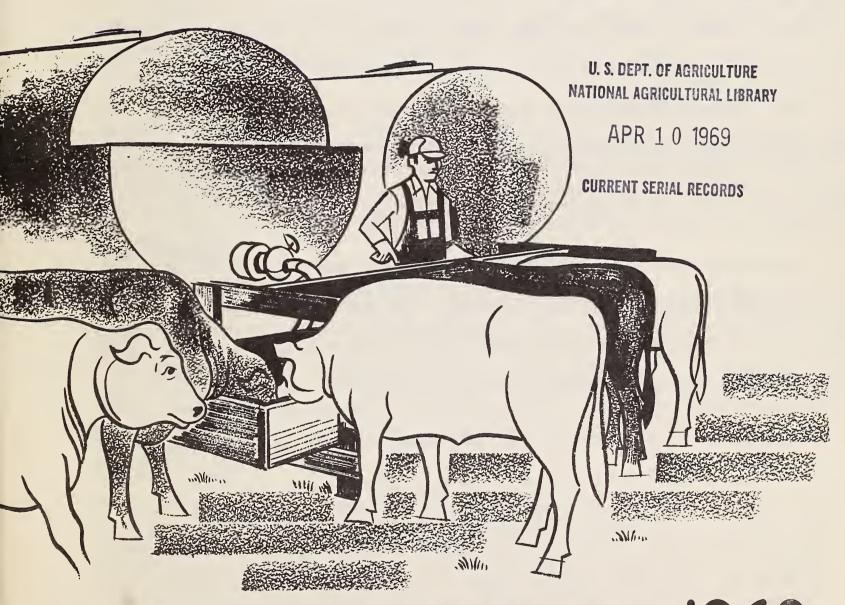
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# Molasses MARKET NEWS





# ANNUAL SUMMARY 1968

CONSUMER AND MARKETING SERVICE
U. S. DEPARTMENT OF AGRICULTURE WASHINGTON, D. C.

C&MS-2 (1968)

#### CONTENTS

	rage
Molasses price trends at New Orleans, 1963-68 (chart)	4
Blackstrap molasses prices by months, f.o.b. tank car or tank truck, 1964-68: New Orleans, Houston, Corpus Christi, El Paso Phoenix, Mobile, South Florida, Savannah, Wilmington Baltimore, Norfolk, Philadelphia, New York Boston, Albany, Buffalo, Toledo, Cincinnati Minneapolis, Chicago, St. Iouis, Kansas City Omaha, Memphis, Denver, California Ports, Pacific Northwest Ports	6 7 8 9 10 11
Beet molasses prices by months, f.o.b. tank car or tank truck, 1964-68: Colorado, Wyoming, Montana, Oregon, Utah, Idaho	12
Citrus and hydrol molasses prices by months, f.o.b. tank car or tank truck, 1964-68: Florida, Chicago, Kansas City	13
Price comparisons between molasses and No. 2 yellow corn at New York, Chicago and Kansas City, 1959-68	14
Hawaiian and Puerto Rican production, shipments to the U.S. mainland, and exports to other countries, 1959-68	14
U. S. molasses production, inshipments, imports and exports, 1952-68	15
U. S. molasses imports by country of origin, 1964-68	16
U. S. molasses imports by customs districts, 1964-68	17
U. S. molasses imports by country of origin and customs districts, 1968	18-21
U. S. molasses exports by country of destination, 1964-68	22
U. S. molasses utilization, 1957-68	23

Grain Division Consumer and Marketing Service

March 1969

#### MOLASSES MARKET NEWS - ANNUAL SUMMARY

#### HIGHLIGHTS OF 1968

Molasses prices during the 1968 trading year declined steadily and closed sharply below a year earlier. Plentiful supplies, primarily from territorial shipments and imports, weakened the market while competition from lower price feed grains further softened the position. Although mainland production of cane and citrus molasses was slightly below a year ago, the available supplies for livestock feeding were sharply greater than in previous years.

#### PRICES

#### Cane Molasses

Prices of cane molasses--following the trend started in mid-1967--declined monthly throughout 1968. Demand was reported good; however these strengthening tendencies were overridden by competitive pressures of lower priced feed grains and grain by-product ingredients.

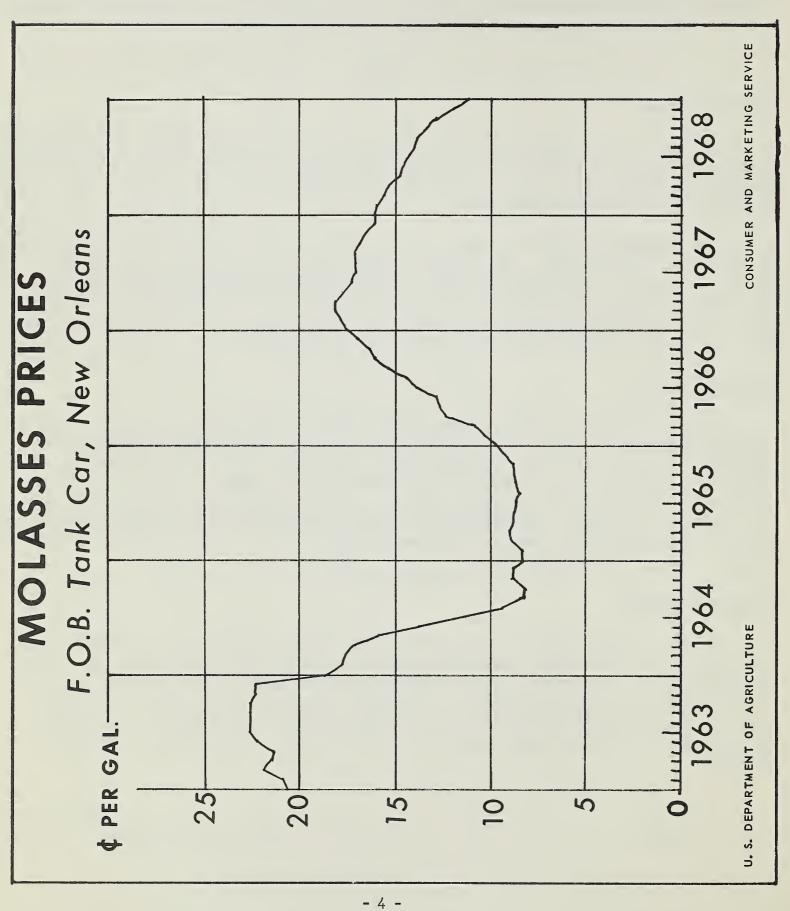
The weakness of prices was more pronounced in the Southern area than other sections of the country. December closing levels in this area were about 4.25¢ to 5.25¢ below a year earlier, with the yearly average running about 3.2¢ to 3.5¢ per gallon below the previous year's average. A less pronounced decline was noted on the West Coast with year-end prices about 2.3¢ below a year ago and the yearly average near 2.7¢ below the 1967 figure.

#### Beet Molasses

Price trends for beet molasses were mixed in the two principal reporting areas-higher in Oregon, Utah and Idaho and lower in Colorado, Montana and Wyoming. Competition from cane molasses and lower grain prices were the weakening factors in the Colorado, Montana and Wyoming areas while increased utilization strengthened the Western section. The production of beet molasses was the largest on record, an estimated 27 million gallons greater than the previous year. Trade sources, however, indicated much of this increased production was added to the pulp by-product and sold to feeders in this form.

#### Citrus Molasses

Citrus molasses prices rose early in 1968 and maintained a higher level throughout the last half-year and ended the season about \$3.50 per ton above December 1967. Increased local feed utilization and a sharp decline in production were the price boosters. Prices at Florida Points were the highest levels received since early in 1964. Trade sources indicated considerable amounts of the product were being incorporated with the pulp for livestock feeding.



#### Corn (Hydrol) Molasses

Prices of corn molasses declined steadily throughout the year. At Midwest production areas, the price received in December 1968 was about \$6.25 per ton below a comparable period a year ago and averaged about \$4.00 lower for the year. The lower prices were primarily an alignment with declining cane prices. Production was estimated about the same as a year ago.

#### Comparative Values

The comparative feeding value of corn and molasses again slightly favored corn (details Table 4) at Chicago and Kansas City. The sharp decline in corn prices at these two markets more than offset the lower molasses prices. At New York the advantage remained sharply in favor of molasses.

## SUPPLY AND DISTRIBUTION (Details on Tables 5 through 11)

Mainland production of cane molasses for the 1968 season was estimated at about 91.5 million gallons. This represents a decline of about 6 million gallons from a year ago. This decline, however, was more than offset by increased production in beet molasses, gains in imports, and increased receipts from offshore territories and states. Production of citrus molasses was about 50 per cent less than the 1967 freeze-affected crop. Mainland exports of molasses were about 3 times as great as last year and the highest in the past 4 years.

Imports from foreign countries totaled 368 million gallons. Mexico, despite a decline from last year, continued to be the largest supplier of molasses, furnishing about 94 million gallons. Australia doubled previous years' movement and accounted for roughly 49 million gallons of the total imports. Shipments from other countries showed only slight changes from previous years.

New Orleans continued to be the principal receiving point, handling roughly 30 per cent of the total import movement. Houston, Philadelphia, New York, Los Angeles and Maryland Custom Districts combined to handle about 40 per cent, with the balance fairly evenly distributed among other points.

Total available supplies for domestic usage reached a record level of 751 million gallons. Industrial utilization showed only minor changes. The use of molasses in the manufacture of distilled spirits declined slightly, while the use for pharmaceutical and edible molasses increased somewhat. Available supplies for feeding livestock increased about 56 million gallons and reached a record level of 581 million gallons. Much of this increase is being taken up by liquid feeding of livestock on farms.

Table 1.--Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck, 1964-68

1		90.08		00 00 111 76 47		00 00 77 78		117 33 33
Av.		1238		174		177.0		15.00
Dec.		8.35 9.06 17.41 16.00 11.22		11.00 11.00 17.75 16.50 11.75		11,00		13.50 12.90 17.98 16.52
Nov.		8.63 8.88 16.10 16.00 11.88		11.00 11.00 16.70 16.50 12.38		11.00		13.50 12.60 17.54 16.62 14.77
Oct.:		8.69 8.81 16.00 16.50 12.63		11.00 11.00 16.50 17.00		11.00 16.50 17.00 13.30		13.50 13.50 17.54 16.96 14.77
Sept.:		8.15 8.63 15.44 16.75 13.34		11.00 11.00 16.00 17.25 14.00		11.00 11.00 15.75 17.25 14.00		13.50 13.50 16.74 17.10
Aug.		8.31 8.50 14.40 17.00		11.00 11.00 14.50 17.70 14.50		11.00 11.00 14.70 17.70		13.50 13.50 15.67 17.78
July :	gallon	9.41 8.62 13.81 17.00 13.98		11.38 11.00 14.50 18.00 14.50	Sti	11.38 11.00 14.50 18.00		14.30 13.50 15.50 18.13
June :	per	11.35 8.83 12.80 17.00 14.31	Houston	13.40 11.00 13.50 18.00 14.83	s Chri	13.40 11.00 13.50 18.00	Paso	16.16 13.50 14.05 18.13 15.21
May :	Cents	13.63 8.94 12.56 17.10 14.50	위	15.50 11.00 13.25 18.20 15.00	Corpu	15.50 11.00 13.13 18.20 15.00	团	17.25 13.50 14.05 18.46 15.35
Apr.:		15.87 9.00 12.34 17.69 14.56		17.35 11.00 13.00 18.50 15.13		17.35 11.00 12.75 18.50 15.13		18.70 13.50 14.39 18.71 15.50
Mar.		17.06 8.93 10.85 18.00 15.13		18.50 11.00 11.60 18.50 15.75		18.40 11.00 11.60 18.50 15.75		19.48 13.50 13.38 18.71 16.23
Feb.		17.53 8.88 10.28 18.00 15.50		19.00 11.00 11.00 18.50 16.13		19.00 11.00 11.00 18.50 16.13		20.20 13.50 13.20 18.71 16.52
Jan.		17.75 8.38 9.81 17.95 15.90		19.00 11.00 11.00 18.50 16.50		19.00 11.00 11.00 18.40 16.50		20.50 13.50 13.20 18.71 16.52
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	17.00 16.10 21.35 20.00 17.72		8.50 9.75 18.13 16.50 11.25		8,80 9,00 17,00	) to		18.25 17.00 12.25		18.63 17.00 12.69
	17.00 16.28 21.40 20.24 18.16		8.75 9.50 17.20 16.56 11.88		8.75 9.80 16.00	40.		17.20 17.00 13.13		17.50
	17.00 17.00 21.05 20.47 18.27		8 68 9 28 17 00 16 75		8.75 9.80 16.00	0 <b>0</b>		17.00		17.50
	17.00 17.00 20.47 20.47 18.25		8.35 8.90 16.50 16.88 13.34		8.75 9.75 15.38	5 W		16. <b>2</b> 5 17.75 14.38		17.00 18.25 14.88
	17.00 17.00 19.18 21.29 18.25		8,96 8,60 17,20 17,00		8.81 9.75 14.00	φ		15.20 18.00 14.75		15.65 18.50 15.00
	17.80 17.00 19.00 21.64 18.25		10.09 8.89 15.00 17.00	7	10.69	- 4		15.00 18.00 15.00		15.50 18.50 15.25
Phoenix	19.54 17.00 18.00 21.64 18.69	Mobile	12.23 9.10 14.00 17.00 14.31	Florida	13.20	- 4 0	Savannah	14.00 18.00 14.81	1mington	14.50 18.50 15.56
띱	20.80 17.00 18.00 21.51 18.83		14.08 9.20 13.88 17.10 14.63	South	14.88	- 10	Sa	13.75 18.10 14.50	Wil	14.25 18.70 15. <b>7</b> 5
	22.20 17.00 18.00 22.22 18.98		16.40 9.20 12.88 18.50 14.88		17.19 10.00 12.25			13.50 18.88 15.13		14.00 19.50 15.88
	22.78 17.00 16.64 22.22 19.71		17.40 9.50 12.10 19.00 15.50		18.30 9.85 10.90	200		12.10 19.00 16.25		12.60 19.50 16.50
	23.70 17.00 16.10 22.22 20.00		17.83 9.10 11.50 19.00 15.75		18.81 9.43 10.25	50		11.23		11.73
	24.00 17.00 16.10 22.22 20.00		18,20 8,63 10,88 18,90 16,45		19.15 9.08 9.75			11.00		11.43
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	1964 1965 1966 1967 1968		1964 1965 1966 1967 1968		1964 1965 1966 1966	96		1966 1967 1968		1966 1967 1968

1/ Includes all of Florida prior to December 1965

- 7 -

Table 1. -- (Continued) -- Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck, 1964-68

b.: Mar.: Apr.: May : June : July : Aug.: Sept.: Oct.: Nov.: Dec. Cents per gallon  Norfolk  38 11.80 13.31 13.56 13.80 14.75 14.95 15.81 16.63 17.00 18.0 Cents per gallon  19 11.80 13.31 13.56 13.80 14.75 14.95 15.81 16.63 17.06 17.0	Av.		14.59 18.10 15.44		14.24 18.07 15.42		15.74 12.01 13.95 18.08 15.42		16.05 12.50 14.50 18.10 15.42
b.: Mar.: Apr.: May : June : July: Aug.: Sept.: Oct.: Nov.: Cents per gallon-  Norfolk  38 11.80 13.31 13.56 13.80 14.75 14.95 15.81 16.63 17.00  1.75 18.75 18.88 18.45 18.25 18.20 17.63 17.25 17.06  1.00 16.75 16.13 16.00 15.88 15.50 15.50 14.20 13.38  Baltimore  1.0 11.80 13.31 13.63 13.75 14.75 14.85 15.81 16.50 16.40  1.0 11.80 13.31 13.63 13.75 14.75 14.85 15.81 16.50 16.40  1.0 11.80 13.31 13.63 13.75 14.75 14.85 15.81 16.50 16.40  1.0 11.80 13.31 13.63 13.75 14.75 14.85 15.81 16.50 16.40  1.0 11.80 13.21 13.63 13.75 14.75 14.85 15.81 16.50 10.95  1.0 18.75 12.56 12.44 12.10 11.81 11.55 11.50 11.50 10.95  1.0 18.75 18.75 18.45 18.25 18.25 18.20 17.63 17.25 17.06  1.0 16.75 16.13 16.00 15.88 15.50 15.50 15.00 14.13 13.38  1.0 18.70 18.75 18.75 18.75 18.25 18.25 18.81			18.00 17.00 12.88				13.00 11.00 17.75 17.00		13.50 11.13 17.75 17.00 12.75
b. : Mar. : Apr. : May : June : July : Aug. : Sept.: Oct. Cents per gallon-  Norfolk  38 11.80 13.31 13.56 13.80 14.75 14.95 15.81 16.63  75 18.75 18.88 18.45 18.25 18.20 17.63 17.25  00 16.75 16.13 16.00 15.88 15.50 15.50 15.00 14.20  Philadelphia  50 19.50 18.75 17.19 15.45 13.38 13.00 13.07 13.35  10 11.80 13.35 13.56 13.75 14.85 15.81 16.38  10 10 10 10 10 17.75 17.9 14.85 15.50 15.00 14.20  10 10 10 10 10 10 17.75 15.90 14.00 13.50 13.50 13.50  10 10 10 10 17.75 15.90 14.05 13.85 18.25 18.25 11.88  10 10 10 10 17.75 13.95 13.75 14.85 15.50 15.00 14.13  10 10 10 10 17.75 15.90 14.05 13.50 13.50 17.25  10 10 13.50 13.25 13.56 13.75 14.85 15.51 18.85 18					00 W 4∞ W		MO00W		13.50, 11.10 16.40 17.05
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	14.00 12.38 17.25 17.85 14.70		14.00 12.38 17.25 17.85 14.70		16.30 14.15 20.14 20.92 17.62		13.35 13.88 20.91 20.76 18.09		11.69 11.80 19.96	10	(Cont
	14.00 12.75 16.56 18.25 15.50		14.00 12.75 16.56 18.25 15.50		16.30 14.40 19.64 21.17 18.42		12.95 13.50 20.39 21.05 18.58		11.25	0.3	
	14.00 12.75 15.40 18.70		14.00 12.75 15.40 18.70		16.30 14.40 18.23 21.77 18.92		13.34 13.50 18.99 21.34 18.83		11.70	7.6	
	14.50 12.94 15.25 18.75 16.00		14.50 12.94 15.25 18.75 16.00		16.80 14.40 18.13 21.92 18.92		14.15 13.70 18.89 21.34 18.83		12.80 11.87 17.76	7.4	
Boston	16.40 13.00 14.25 18.75 16.38	1bany	16.40 13.30 14.25 18.75 16.38	<u>Buffalo</u>	18.70 14.46 17.13 21.92 19.67	Toledo	16.64 13.70 18.18 21.34 19.21	ncinnati	15.39 11.90 16.90	8.1	
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	20.00 14.00 11.75 19.25 17.50		20.00 14.00 11.75 19.25 17.50		22.30 14.90 14.05 22.13 20.42		24.10 13.18 15.10 23.06 20.25		23.03 11.26 13.30	9.6	
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Av		19.84 16.31 20.53 23.94 20.14		17.09 13.62 18.41 22.31 19.21		16.30 12.80 17.40 21.71 18.48		17.52 14.06 19.18 22.51 19.35
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Nov		15.80 15.80 23.25 22.37 18.05		13.50 14.00 21.25 21.25 17.21		12.90 12.60 20.32 20.60		13.93 14.20 21.75 21.26 17.41
Oct.		15.80 15.80 22.10 23.39		13.60 14.00 20.98 21.74 18.09		12.91 12.60 20.05 21.05 16.93		13.99 14.20 21.55 21.85 18.33
Sept	4	15.05 15.73 22.41 23.75 19.48		12.85 13.33 20.19 22.02 18.54		12.33 12.33 19.24 21.35 17.80		13.30 13.95 21.05 22.06 18.84
Aug		15.80 15.68 21.45 23.98 19.74		13.28 13.08 19.01 22.23 18.97		12.86 12.40 18.09 21.55 18.09		13.44 13.70 19.73 22.27 19.01
July :	1 1 U	16.98 15.80 20.98 23.98 19.86		14.58 13.45 18.75 22.22 19.27		13.50 12.50 17.70 22.49 18.54		14.64 13.77 19.53 22.27 19.14
June	ga 11.8	19.28 16.37 20.10 23.98 20.69	cago	16.72 13.62 17.84 22.22 19.60	Louis	15.40 12.90 16.59 22.49	as City	16.77 14.06 18.51 22.27 19.82
May	ent	22.01 16.93 19.80 24.04 20.76	Chi	18.90 13.70 17.36 22.39 19.81	St	18.21 13.10 16.34 21.64	Kansas	19.48 14.20 18.43 22.49 20.04
Apr		23.89 17.00 19.60 24.71 20.91		20.94 13.70 17.20 22.90 19.92		19.96 13.09 16.10 22.08 19.63		21.60 14.19 18.25 23.38 20.09
Mar		25.16 17.00 18.28 24.85 21.57		22.01 13.61 15.81 23.10 20.47		21.30 13.14 14.67 22.08 20.07		22.84 14.15 17.03 23.65 20.60
파eb.		26.00 17.00 17.54 25.00 22.00		22.44 13.55 15.41 23.25 20.83		21.55 13.10 14.50 22.37 20.48		23.35 14.15 16.03 23.65 20.88
TaT.		26.00 16.55 17.13 24.97 22.22		23.03 13.28 14.71 23.18 21.16		21.93 12.59 14.05 22.37 20.48		23.45 13.63.45 23.63.45 21.25.45
A A		1964 . 1965 . 1966 . 1967 .		1964 1965 1966 1967		1964 1965 1966 1967		1964 1965 1966 1967
				- 10 -				

	19.07 15.11 20.55 23.44 19.72		16.21 12.69 17.29 20.95 18.28		21.48 17.83 21.85 24.94 21.69		16.25 13.40 15.30 17.91 15.22		16.20 13.40 15.30 17.90 15.22
	14.30 15.68 24.01 22.00 16.92		12.55 12.90 21.18 20.32 15.82		18.32 17.70 25.64 23.18 20.10		13.55 12.65 17.83 16.45 14.11		13.55 12.65 17.83 16.45
	14.71 15.40 23.05 22.00 17.58		12.66 12.60 20.10 20.32 16.64		18.54 17.55 25.05 23.48 20.54		13.55 12.65 17.62 16.59		13.55 12.65 17.62 16.59 14.26
	14.79 15.40 22.97 22.37 18.45		12.63 12.60 20.07 20.47 18.01		18.60 17.55 24.95 23.76 20.86		13.55 13.55 17.61 17.03		13.55 13.55 17.61 17.03 14.69
	14.38 14.98 22.30 22.59 19.01		11.85 12.44 18.99 20.61 18.13		18.31 17.55 24.44 23.26 20.98		13.55 13.55 17.03 17.03		13.55 13.55 17.03 17.03
	14.69 14.60 21.07 23.07 19.44		12.53 12.20 17.86 20.84 18.16		18.41 17.55 23.12 24.64 20.98		13.55 15.55 17.75 17.85		13.55
	15.25 14.80 20.76 23.25 19.67		14.00 12.50 17.65 20.90 18.25		19.09 17.55 22.92 24.93 21.48	orts	14.48 13.55 15.57 18.20 14.70	t Ports	14.40 13.55 15.57 18.20 14.70
Omaha	17.99 15.10 19.81 23.25 20.38	Memphis	15.94 12.81 16.63 20.90 18.47	Denver	21.38 17.48 21.94 24.93 21.88	ornia P	16.22 13.55 14.55 18.20 15.13	Northwest	16.10 13.55 14.55 18.20 15.13
O!	21.70 15.30 19.80 23.48 20.40	M	18.05 12.95 16.49 21.08 18.54		23.00 17.60 20.80 25.39	Calif	17.33 13.55 14.55 18.45 15.28	Pacific N	17.28 13.55 14.55 18.45 15.28
	23.25 15.30 19.80 24.67 20.86		19.90 13.01 16.36 21.30 18.62		24.50 17.98 18.70 26.44 22.15		18.80 13.55 14.55 18.79 15.42	Pa	18.70 13.55 14.55 18.79 15.42
	24.74 15.15 18.91 24.86 21.05		21.00 12.96 14.30 21.39 18.99		25.28 18.50 18.60 26.46 22.88		19.56 13.55 13.19 18.79 16.16		19.48 13.55 13.19 18.79 16.16
	26.15 15.15 17.45 24.86 20.82		21.50 12.80 14.15 21.60 19.42		26.00 18.60 17.98 26.46 23.18		20.25 13.55 12.65 18.79 16.45		20.20 13.55 12.65 18.79 16.45
	26.90 14.51 16.70 24.86 22.00		21.85 12.54 13.70 21.62 20.32		26.30 18.30 18.10 26.33 23.18		20.55 13.55 12.65 18.73 16.45		20 50 13 55 12 65 18 67 16 45
•									
	1964 1965 1966 1967 1968		1964 1965 1966 1967 1968		1964 1965 1966 1967 1968		1964 1965 1966 1967 1968		1964 1965 1966 1967 1968

Table 2.--Wolasses, beet: Prices by months, f.o.b. tank car or tank truck, 1964-68

Year Jan.: Feb.: Mar.: Apr.: May : June : July: A Dollars per ton  39.00 39.00 35.00 35.00 35.00 35.00 27.00 27.00  1965 27.00 27.00 27.00 27.00 27.00 27.00 27.00  1966 30.00 30.00 30.00 30.00 31.80 33.00  1967 36.50 36.50 36.50 36.50 36.50 36.50  1968 38.00 38.00 36.00 36.50 36.50 36.50 36.30  1966 38.00 38.00 36.00 35.00 37.00 37.00  1967 38.00 38.00 36.00 35.00 37.00 37.00  1968 35.00 35.00 35.00 35.00 37.00 37.00  1968 35.00 35.00 35.00 37.00 37.00 37.00  1968 35.00 35.00 35.50 37.00 37.00 37.00	ug. : Sept.: Oct. : Nov. : Dec. : Av.	27.50 27.00 27.00 27.00 27.00 32.38 27.00 27.00 27.00 27.00 27.00 27.00 33.00 34.63 36.50 36.50 36.50 32.66 36.50 36.50 36.50 36.50 36.50 36.50 35.50 34.50 34.50 34.50 35.82	5.00 30.00 30.00 30.00 30.00 33.46 5.50 30.50 30.50 30.50 30.50 30.41 5.00 35.00 35.00 35.00 35.00 35.00 35.00 37.00 37.00 37.00 37.00 37.00 37.00 37.00
961	Jan. : Feb. : Mar. : Apr. : MayDo	39.00 39.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 37.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.50 36.50 36.50 36.50 36.50 36.50 36.30	38.00 38.00 36.00 35.50 37.50 34.00 34.00 34.00 34.00 34.00 35.00 30.40 30.50 30.50 30.50 30.50 30.50 30.50 35.00 35.00 35.00 35.00 35.00 35.00 35.00 37.00

Table 3. -- Molasses, citrus and corn (hydrol): Prices by months, f.o.b. tank car or tank truck, 1964-68

Year	Jan.	Feb.	Mar.	Apr.	May	June	July:	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
					Dollars	rs per	ton						
Citrus molasse	• W • •				Florida	da Points	+-) Ø						
1964 1/ 1965 2/ 1966 1967 3/ 1968	26.13 19.37 15.00 17.00 18.00	26.63 18.69 14.50 18.00	27.05 17.50 13.50 18.00	26.75 15.13 13.88 18.00 20.50	26.75 14.00 14.00 18.00 22.00	26.75 14.00 16.00 18.00 22.00	27.33 15.75 16.00 18.00 22.00	28.50 16.00 16.40 18.00 22.00	16.00 17.00 18.00 22.00	16.00 17.00 18.00 22.00	16.00 17.50 18.00 22.00	20.00 15.25 17.00 18.00 21.50	26.32 16.14 15.65 18.00 20.83
Corn (hydrol)	molasses				당	Chicago							
1964 1965 1966 1967	33.88 19.50 20.81 35.80 34.00	33.63 20.31 21.50 36.00 33.50	32.90 23.60 33.40 33.00	31.38 20.63 24.00 36.00	28.94 20.25 24.00 35.00 32.00	25.33 20.50 24.00 35.00	21.56 20.31 25.00 35.00	19.84 20.00 25.80 35.00 31.00	19.60 20.00 28.25 35.00 30.75	19.50 20.00 30.00 35.00	19.50 20.00 32.00 34.00 29.00	19.50 20.25 34.25 34.00 27.75	25.46 20.20 26.08 35.15 31.41
	• •• (				Kan	Kansas City	×						
1964 1965 1966 1967 1968	37.25 21.00 23.00 34.00	36.50 21.00 23.00 34.00	35.50 21.00 24.20 37.00	33.75 21.00 25.50 36.25 32.75	31.50 22.00 35.00 37.00	27.50 22.00 36.00 32.00	23.50 22.00 28.00 35.00 31.00	21.25 22.00 28.00 35.00 31.00	21.30 22.00 29.75 35.00	21.75 22.00 32.50 35.00	21.75 22.00 32.50 34.25 29.25	21.00 22.25 35.25 34.00 27.75	27.71 21.69 27.87 35.43
1 / 1 2 - 1													

Nominal August through October. Nominal August through November. Mostly price February through December. निलेल

Table 4.--Price comparisons between molasses and No. 2 yellow corn at New York, Chicago and Kansas City, 1959-68 1/

	:	New York	:		Chicago	:	Kε	ansas City	T
Year	: Corn :	Molasses:	Differ -:	Corn	:Molasses:	Differ-:	Corn	:Molasses:	Differ-
					: $6\frac{1}{2}$ gal.:				
	•								
	:				Cents				
	:								
1959	: 150.6	103.0	+47.6	122.5	107.1	+15.4	117.3	111.0	+6.3
1960		89.0	+54.8	115.6	-	+22.7	113.6	103.1	+10.5
1961	• •	102.2	+39.6	113.1		+0.4	112.4	125.3	-12.9
1962		102.6	+39.4	112.8		<b>-</b> 5.0	115.0	129.5	-14.5
1963		143.8	+11.2	126.0		-44.8	125.4	177.7	-52.3
1,0,	•	<b>-</b> 42•0		<b></b>	11000	77.0	-~>•7		>~•>
1964	• 151 3	104.3	+47.0	125.1	111.1	+14.0	127.5	113.9	+13.6
1965		81.2	+70.3	130.2		+41.7	130.4	91.4	+39.0
1966		94.2	+64.2	136.8	•	+17.1	136.3	124.7	+11.6
1967		117.6	+32.0	129.5	· · · · · ·	-15.5	129.6	146.3	-16.7
1968		100.2	+31.2	113.8		<b>-10.</b> 9	119.6	125.8	<b>-6.2</b>
1900	· 1)1.4	100.2	<b>サ</b> ノ⊥•ん	TT) • C	) <u>1</u> 24.1	-10.9	119.0	127.0	-0.2

<sup>1/</sup> A "rule of thumb" measure-- 6-1/2 gallons of molasses are about equivalent in carbohydrate value to one bushel of corn--is widely used to compare the carbohydrate value of molasses and corn. This measure is based on experiments conducted to evaluate the energy produced from one bushel of corn and the amount of molasses required to produce the same amount of energy.

Table 5.--Molasses: Hawaiian and Puerto Rican production, shipments to the U.S. mainland, and exports to other countries, 1959-68

	•	Hawaii		:	Puerto Rico	
Year		Shipments:			Shipments:	-
1041		to U.S.	to other	:Production:		to other
	•	mainland :	countries	:	mainland:	countries
	•		1,000 ga	llons		
	:					
1959	.: 56,849	60,239	7,771	60 <b>,</b> 755	24,238	19,239
1960	.: 50,817	49,692	-	58,474	<b>30,2</b> 89	15,162
1961		50,653	-	62,372	38,618	8,224
1962		54,911	_	56,200	27,471	13,014
1963		51,563	-	61 <b>,</b> 548	16,590	15,923
30/1	• FM (dd	50 (2d		(1.5(2	10.100	00 7.4
1964		52,638	-	64,563	18,190	20,144
1965		51,861	-	57,140	21,104	6,848
1966		60,271	-	60,700	8,124	18,653
1967		55,662	-	, 52,100	5,618	14,120
1968	.: 62,936	66,157	-	<u>1</u> / 44,000	6,201	9,134
	•					

<sup>1/</sup> Estimated.

Source: Bureau of the Census, U. S. Department of Commerce; Association of Sugar Producers of Puerto Rico; and Hawaiian Sugar Planters Association.

S. production, inshipments, imports, and exports, 1952-68 n. Table 6.-- Feed and industrial molasses:

	•		Prod	Production				••	•	• •	••	
Year	Mainland Refiners mills black- strap	Refiners': black- strap	C Insh Hawa	nts 1/ Puerto Rico	Total cane	Beet 2/	Citrus I	Hydrol :	Total domestic	U.S.:	Mainland Total exports availabl 3/ supplie	Total wailable supplies
	•• •• •				-	1,000 gallons	lons					
1952 .	51,901	36,221	37,942	52,252 32,651	178,316	38,583	9,333	18,063	244,295 238,816	296,121	897	539,519 648,018
1954 .	.: 46,050 : 49,187	31,836	46,530 50,413	37,558 44,232	161,974 176,786	35	8,804	17,873	241,002	340,408	4,843	576,567 625,720
1956	38,067	40,303	49,401	34,726	162,497	95	7,878	16,851	239,181	352,089	879	590,391
1957	42,532	39,370	54,140	20,439	156,481	63,171	10,474	24	246,375	231,536	2,545	475,366
1959	40,300	40,012	43,974	24,238	167,636	76,920	7,669	21,494	273,719	334,308 282,137	2,166	553,484
1960	46,686	40,686	49,692	30,289	167,353	79,079	5,155	32	274,911	449,646	3,032	721,525
10/1				0,01	0/16//1	TT 760/	(+/6/	()+()	7669411	400,400	k, kku	, , ,
1962	65,274	47,132	54,911	27,471	194,788	96,643	9,581	23,595	324,607	264,063	2,265	586,405
1964	103,287		52,653	18,190	219,532	132,093	4.469	29,932	386,086	266,421	4,339	648,168
1965	: 84,722		51,861	21,104	202,798	116,589	8,564	26,740	354,691	268,016	2,536	620,171
1966	.: 82,952		60,271	8,124	203,293	113,755	9,788	23,125	349,961	314,157	1,586	662,532
1967	97,208	4/51,519	55,662 66,157	5,619 6,201	210,008,2/108,000	7108,000	17,291	20,400	355,699	350,548	3,077	5/705,251
	••											

Shipments to U. S. mainland only. Does not represent total Hawaiian and Puerto Rican molasses production. Year harvested basis.

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4/ Revised. 5/ Estimated. Statistical Reporting Service and Agricultural Stabilization and Conservation Service, U. S. Department of Agriculture; Bureau of the Census, U. S. Department of Commerce; Florida Citrus Processors Association; Association of Sugar Producers of Puerto Rico; Hawaiian Sugar Planters Association; and members of the Corn Refiners Association, Inc. Source:

Table 7.--Molasses, inedible: U.S. imports by country of origin, 1964-68

Country of origin :	1968 :	1967 :	1966 :	1965 :	1964
:		1,0	000 gallons-	-	
Angola	-		942	-	_
Australia	49,203	20,137	22,117	7,629	9,932
Austria	· -	_		´ <b>=</b>	700
Bahamas	-	-	94	-	_
Barbados	991	6,757	2,390	5,577	4,926
Belgium and Luxembourg	-		_	´ <b>-</b>	754
Brazil	17,862	19,935	_	_	_
British Honduras	4,566	2,266	1,267	3,113	819
Bulgaria	5,112	1,509	_	_	_
Canada	668	1,217	1,274	1,986	1,642
Colombia	11,873	15,392	6,271	2,439	_
Costa Rica	828	1,000	_	_	-
Denmark	_		_	_	2,164
Dominican Republic	28,914	40,171	47,533	41,329	32,591
Ecuador	4,817	5,022	10,888	9,863	2,270
El Salvador	5,157	4,048	1,210	1,648	953
France	7,935	5,767	6,076	9,617	10,524
French West Indies	570	5,412	3,526	3,399	3,813
Greece	2,075	4,300	<i></i>	<i>-</i>	, · · · ·
Greenland	~,01>	7,700	_	49	_
Guatemala	7,193	6,528	5,292	3,439	1,268
Guyana (British Guiana)	3,620	2,516	1,837	4,466	3,333
Haiti	3,189	5,688	4,056	4,264	5,375
Honduras	2,153	1,038	2,327	1,650	
India	2,177	1,000	3,278	1,000	1,624
	4,630	_	3,278	7,772	_
Indonesia	4,000	_	ر -	1,112	1,833
Iran	8,689	2,023	_	-	1,000
Italy		,	16,508	17 526	2/ 122
Jamaica	26,928	19,138	10,000	17,536	24,132 502
Japan	954	<b>-</b>	-	801	
Kenya	•	-	106	801	2,594
Leeward and Windward Islands:	1,773	-	406	-	
Mauritania	6,207	6 502	6 210	2 201	77 070
Mauritius	10,657	6,583	6,219	3,301	11,919
Mexico	94,335	130,705	99,312	95,564	86,404
Morocco	1,681	-	2,119	2 (22	
Mozambique	-	-	-	3,629	2,203
Netherlands	6,010	-	578	-	-
Netherlands Antilles	- 104	- 412	1,424		-
Nicaragua	3,426	1,817	3,438	3,737	1,920
Pakistan	2,000		-	-	1,886
Panama	3,343	2,662	830	_	2,353
Peru	6,061	19,154	24,665	4,897	12,934
Philippines	-	963	4,246	9,427	19,343
Poland	-		6,817	1,116	
Republic of China, Taiwan:	-	4,722	3,811	8,985	2,893
Republic of South Africa:	21,949	-	3,152	518	4,109
Switzerland	-	-	1,377	-	-
Trinidad and Tobago	7,081	7,705	5,992	6,756	8,708
Turkey	1,802	-	-	-	_
UAR (Egypt)	-	-	-	1,804	-
United Kingdom	3,839	3,979	5,960	1,705	-
Venezuela	-	2,394	3,647	_	-
Total	368,091	350,548	314,157	268,016	266,421

- 16 -

Table 8.--Molasses, inedible: U. S. imports by customs districts, 1964-68

Customs districts :	1968 :	1967 :	1966 :	1965 :	1964
		1,0	00 gallons-	•	
Arizona	5,155 81	4,800 2,446	5,037 3,047	2,599 5,218	3,473 2,712
Connecticut	5,251 -	3,307	428 <b>23</b>	1,500 111	2,654 285
El Paso Florida Galveston Georgia Houston	12,954 8,620 1,431 4,540 35,976	13,745 1,517 5,199 4,247 44,985	8,539 2,378 3,395 5,677 40,717	6,768 1,484 37,354 2,293	7,390 723 39,977 3,073
Laredo Los Angeles Maine & New Hampshire Maryland Massachusetts	221 19,525 140 22,860 2,841	1,152 18,441 161 20,037 4,605	685 22,139 134 15,106 2,137	871 26,055 213 9,353	24,724 345 12,513 4,154
Michigan	92 12,890 108,049 70,523 4,699	30 13,683 113,359 49,006 4,639	154 9,404 102,906 54,329 3,904	307 12,115 79,186 42,483 3,567	19 5,053 57,099 52,231 4,313
Ohio	2,267 26,585 - 5,407	1,980 11,442 - 1,086	1,876 12,584	2,559 11,552 -	11,811 1,285
Sabine	2,456	3,154	2,479	1,410	2,071
San Diego	9,495 2,660 297 2,916 160	9,259 12,926 489 4,618 235	2,130 3,313 802 3,715 119	2,859 12,820 719 4,620	5,996 20,495 838 3,178
Total	368,091	350,548	314,157	268,016	266,421

Source: Bureau of the Census.

Table 9.--Molasses, inedible: U.S. imports by country of origin and customs districts, 1968

Country	Arizona	Buffalo	Conn.	El Paso	Florida	Galvesto
	•		1,000	gallons		
Australia	: : -	_	-		4,870	) <u> </u>
Barbados		-	-		·	_
Brazil		-	-		1,959	1,290
British Honduras		-	-		-	· _
Bulgaria	-	-	-	-	-	
Canada		81	-		_	_
Colombia		-	-		-	<u> </u>
Costa Rica		-	-	• -	-	· _
Dominican Republic		-	-	-	-	· _
Ecuador	-	-	-	-	-	_
El Salvador	-	-	-	-	_	_
rance		-	2,042	-	_	_
French West Indies		-	-	-	-	-
Greece		-	-	·	-	-
Guatemala	-	-	-		-	-
duyana (British Guiana)	-	-	_		_	_
Maiti		_	_	_	_	_
Ionduras		-	-	· _	_	-
ndonesia		-	-	<b>-</b>	-	-
taly	-	-	-	_	-	-
Jamaica	_	_	_	_	_	141
Kenya	-	-	-	_	_	· <b>-</b>
eeward and Windward Is.		-	-	_	-	-
Mauritania	-	-	-	-	-	-
Mauritius	=	-	-	-	-	-
lexico	5,155	_	_	12,954	1,791	_
brocco	-	_	1,681	-		_
etherlands		-	-	-	-	-
icaragua	-	-	-	-	-	-
akistan	-	-	-	-	-	-
anama	_	_	_	_	_	_
Peru	-	_	-	_	_	_
Republic of South Africa:		-	-	-	-	_
rinidad and Tobago:		-	-	-	-	-
Curkey				-	-	-
Inited Kingdom	-	-	1,528	-	-	-
Total	5.155	81	5,251	12,954	8,620	1,431
ource: Bureau of the Ce					0,020	- ラケノエ

Table 9.--Molasses, inedible: U.S. imports by country of origin and customs districts, 1968

Georgia 1	Houston I	aredo	Los : Angeles :	Maine : & N. H. :	Maryland:	Mass.	Michigan
			1,000 ga	allons			
-	2,931	-	3,514	-	3,009	2,001	-
-	-	-	-	102	-	-	-
-	2,058 817	_	_	_	<u>-</u>	-	_
-	-	-	-	-	-	-	_
_	_	_	_	<b>3</b> 8	_	_	92
_	2,931	_	-	-	_	-	/~ =
-	_	-	34	-	-	-	
-	-	-	-	-	2,815	840	-
-	-	-	-	-	1,384	-	-
-	222	-	411	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	2,354	_	260	-	-	-	-
_	_	_	_	_	1,727	_	_
_	_	_	_	_	± , 12.1	_	_
-	903	-	240	-	-	-	_
-	_	-	4,630	-	-	-	-
_	-	-	-	-	-	-	-
-	2,843	-	-	<b>**</b>	3,552	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	1,773	-	-
-	517	_	-	_	1,125	_	_
3,378	14,521	221	9,371	-	4,220	-	-
-	-	-	-	-	7 152	-	-
-	<b>-</b>	-	<u>-</u> 416	_	1,453	_	_
_	2,000	_	410	_	_	_	_
	2,000						
-	-	-	-	-	-	-	-
-	-	-	649	-	-	-	-
7 7/0	3,879	-	-	-	-	-	-
1,162	-	-	_	-	1,802	_	_
_	_	_	_	_	-,002	_	_
1 510	25 076	227	10 525	7.0	22 860	2 011	92
4,540	35,976	221	19,525	140	22,860 (Contin		ext page)

Table 9.--Molasses, inedible: U. S. imports by country of origin and customs districts, 1968 (Continued)

Country	Mobile	New : Orleans:	New York	: North : :Carolina:	Ohio	: Phila- :delphia
			1,000	gallons		
Australia	•	14,657	10,955	1,382	-	_
Barbados		9 652	7 060	-	-	889
Brazil		8,652 2,913				-
Bulgaria		-	5,112		-	-
Canada		_	-	-	-	-
Colombia		5,604	-	-	-	-
Costa Rica		10,159	7,064	_	_	7,565
Ecuador		3,433	-	-	ess.	-
El Salvador	-	2,094	_	-	-	-
France		-	5,893	-		-
French West Indies		_	2,075	_	_	_
Guatemala		607	2,187		-	_
Guyana (British Guiana)		-	1,069	_		_
Haiti		518	2,671	_	-	-
Honduras		1,010	_	_	_	_
Italy		-	7,715	-	-	974
Jamaica		5,171	4,125	_	-	9,271
Kenya		954	-	_	-	<b>4004</b>
Leeward and Windward Is. Mauritania		3,449	1,633	_	_	_
Mauritius		4,733	2,667		-	_
Mexico	,	17,341	5,898	3,317	2,267	6,070
Morocco		-		_	-	-
Netherlands		1,684	4,557		_	-
Pakistan		1,004	_	-	-	-
Panama	-	3,343	_	_	_	_
Peru		3,657	-		-	-
Republic of South Africa Trinidad and Tobago		18,070	1,887	_	-	1 016
Turkey		=	1,007	_	_	1,816
United Kingdom		-	2,311	_	-	-
Total	: 12,890 ensus.	108,049	70,523	4,699	2,267	26,585

Table 9.--Molasses, inedible: U. S. imports by country of origin and customs districts, 1968 (Continued)

Puerto : Rico :	S <b>a</b> bine	San Diego	San Francisco	Vermont	Virginia	Washing -: ton :	Total
			1,000 ga	llons			
_	1,083	_	_	_	1,483	_	49,203
-	_	-	-	-	-	_	991
2,035	-	-	-	-	-	-	17,862
_	_	_	_	_	_	=	4,566 5,112
_	_	_	_	_	_	-	عدد و ر
-	-	-	-	297	-	160	668
-	-	-	<b>=</b>	-	-	-	11,873
- / 771	-	-	794	-	-	-	828
471 -	_	_	-	_	_	_	28,914 4,817
-	-	564	1,866	-	-	-	5,157
<b>-</b>	-	-	-	-	-	-	7,935
570 -	_	=	_	_	_	-	570 2,075
-	-	1,785	-	-	-	-	7,193
824	-	-	-	-	-	-	3,620
-	-	-	-	-	-	-	3,189
_	-	_	_	_	-	_	2,153 4,630
-	-	-	-	-	-	-	8,689
_	-	=	-	-	-	-	26,928
-	-	-	-	-	-	-	954
_	<b>-</b>	-	<u>-</u> _	-	-	<u>-</u>	1,773 6,207
_	_		_	_	_	-	10,657
_	1,373	3,515	_	_	1,433	_	94,335
_	±,,,,,	J,J±J	_	_	±,422	_	1,681
_	-	-	-	-	-	-	6,010
-	-	1,167	-	-	-	-	3,426
-	-	-	-	-	-	-	2,000
-	-	<b></b>	-	-	-	-	3,343
-	-	1,755	-	-	-	-	6,061
1,507	-	709	_	_	_		21,949 7,081
-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	-	_	_	_	-	1,802
-	-	-	-	-	-	-	3,839
5,407	2,456	9,495	2,660	297	2,916	160	368,091

Table 10.--Molasses, inedible: U.S. exports by country of destination, 1964-68 1/

Country of Destination :	1968 :	1967 :	1966 :	1965 :	1964
•		1,000	gallons		
Bahamas Belgium & Luxembourg Bermuda	2 2 2	- - 3	- - -	- - -	- - -
British Honduras	4,788	4,465	3,883	1,916	9,189
Chile	-	945	_	<b>-</b> 8	-
Denmark France	_	-	2,182	٥ -	_
Ghana	_	-	1	_	-
Hong Kong	2	-	_	-	-
Iceland	-	_	_	16	122
India	<b>-</b> 8	2	133	165	203
Ireland	-	_	_	4	_
Israel	_	-	-	_	183
Italy	1,347	-	230	_	-
Jamaica	2,987	- 19	3	2 401	623
Libya	3	± /	2	401	027
Mexico	173	369	25	6	42
Netherlands	3,217	6,460	11,462	2,303	7,316
Netherlands Antilles		_	_	6	_
Philippines	·	2	_	_	-
Republic of South Africa	<b>-</b>	-	4	1	3
Saudi Arabia	-	_	_	-	5
Singapore		1	_	-	-
Spanish Africa		3	2	-	_
Sweden		426	-	-	_
United Kingdom		2,421	2,312	4,552	_ ·
West Germany		-	-	-	10 9
Total	15,197	15,116	20,239	9,384	24,482

<sup>1/</sup> Includes exports from Puerto Rico Source: Bureau of the Census

Table 11. -- Molasses: Estimated utilization, United States, 1957-68

	:	Industr	ial		:Mixed feeds	. mo+ol
Year	: spirits :	Yeast, citric acid: and vinegar:	cals and edi	-: Total	:direct feed	utili- zation
	<u>·                                    </u>	and vinegal.	Million ga		• PITTAGE E	:
1957 1958 1959 1960	61.7 35.3 69.0 8.5	70.0 70.0 71.0 74.0 70.4	14.0 15.0 15.0 2/37.0 47.1	143.2 146.7 121.3 180.0 126.0	332.2 430.3 432.2 541.5 454.7	475.4 577.0 553.5 721.5 580.7
1962 1963 1964 1965 1966	<ul><li>5.0</li><li>6.2</li><li>15.1</li></ul>	79.8 85.0 90.0 100.0 100.0	38.7 40.0 47.0 50.0 50.0	124.2 130.0 143.2 165.1 159.3	462.2 498.5 516.6 453.5 501.6	586.4 628.5 659.8 618.6 660.9
1967 1968 <u>4</u> /		100.0	51.5 52.5	180.2 170.0	525.1 581.4	705.3 751.4

<sup>1/</sup> Includes molasses used in making ethyl alcohol, butyl and acetone prior to 1959.

<sup>2/</sup> Molasses utilized in feeds is a residual item, calculated by subtracting molasses used industrially from total mainland supplies without considering changes in stocks.

<sup>2/</sup> Pharmaceutical utilization not considered prior to 1960.

<sup>4/</sup> Estimated.

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